

10.071/CH11261

Copyright CSIRO 2012

Australian Journal of Chemistry, 65(1), 50–57

### Supplementary Material

## Syntheses, Crystal Structures, and Characterization of Four Silver(I) and Lead (II) Halides Compounds with 4-Methyl-1,2,4-Triazole-3-Thiol Ligand

*Yun-Liang Jiang,<sup>A</sup> Yu-Ling Wang,<sup>A,B</sup> Qing-Yan Liu,<sup>A,B</sup> Jia-Jia Wei,<sup>A</sup> and Li-Qin Li<sup>A</sup>*

<sup>A</sup> College of Chemistry and Chemical Engineering, Jiangxi Normal University, Nanchang 330022, China.

<sup>B</sup> Corresponding author. Email: [qyliu@hotmail.com](mailto:qyliu@hotmail.com); [ylwangchem@gmail.com](mailto:ylwangchem@gmail.com)

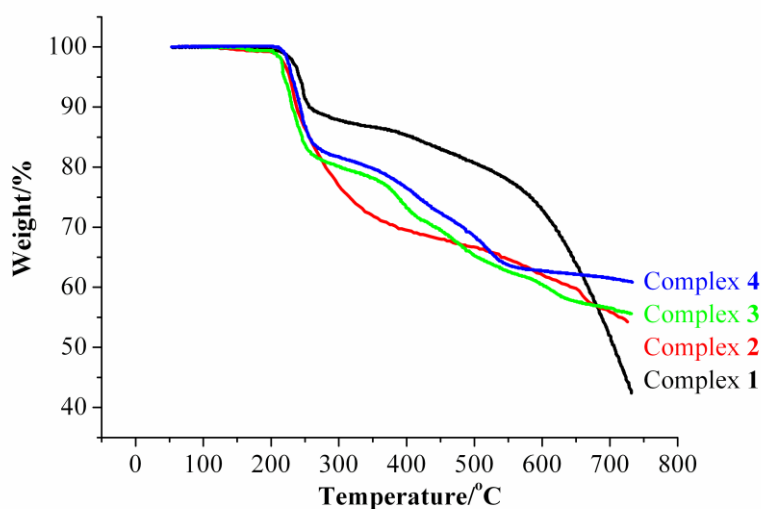
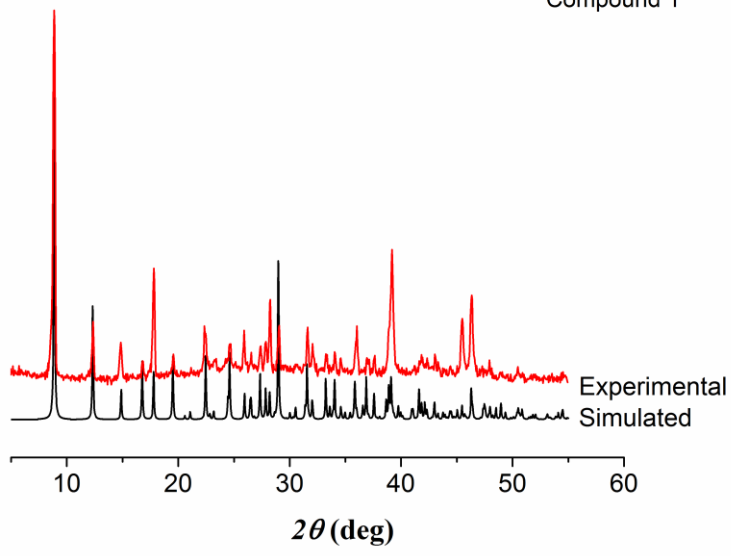
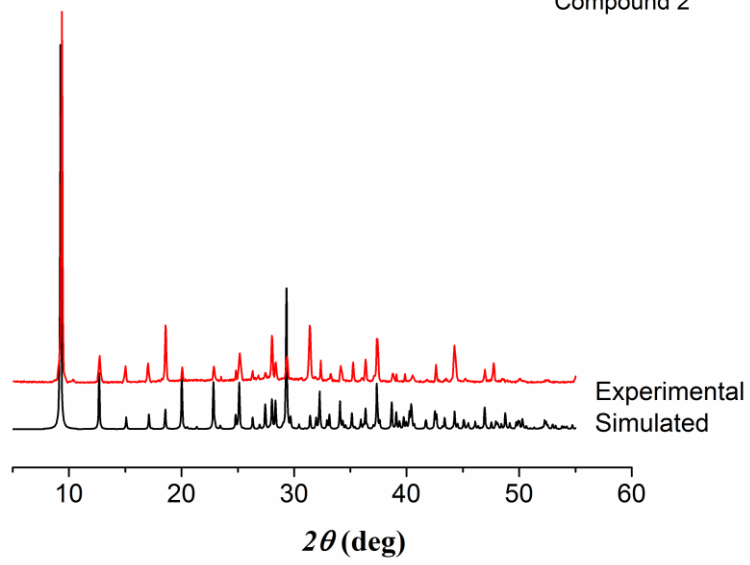


Fig. S1. TG curves of the compound 1–4.

Compound 1



Compound 2



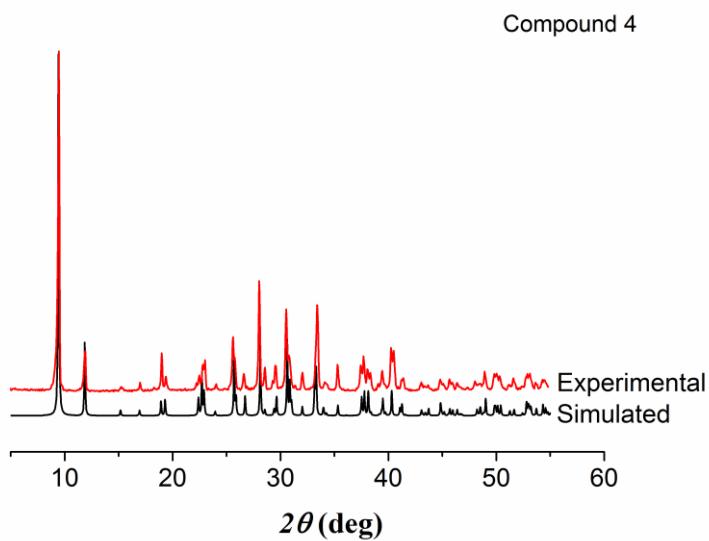
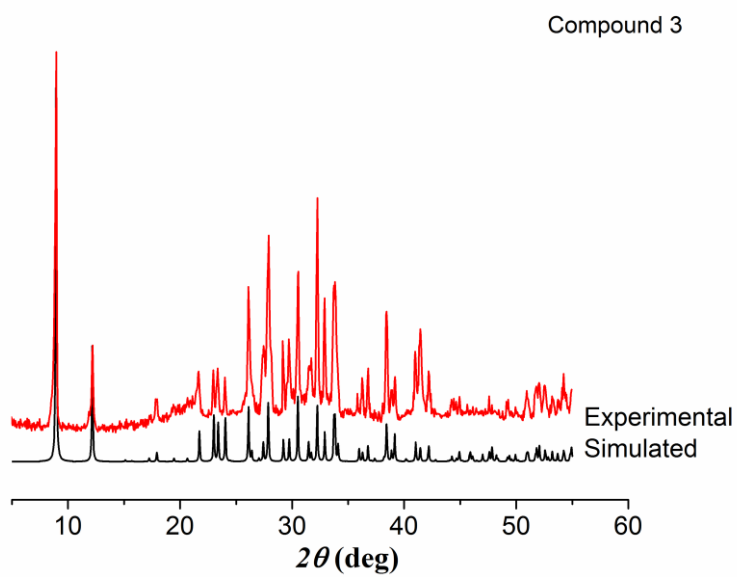
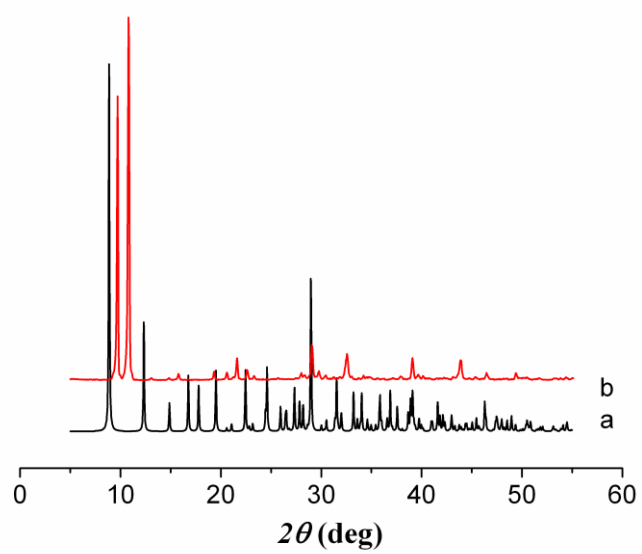


Fig. S2. PXR D patterns of the compound 1–4.



**Fig. S3.** a) The simulated PXRD pattern of compound 1. b) PXRD pattern of the product from reaction of Hmptrz and AgCl.